Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	04/01/2022 09:37 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	01/20/2022 09:34 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	32272	Expiration Date:	09/30/2022
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	125323	0	1.39	125218	1.35
Blue	F	SSC	125000	124588	-1	2.72	125147	2.66
Blue	E	FITC	13602	13194	-3	2.22	371	13.12
Blue	D	PE	24891	24502	-2	1.61	583	10.17
Blue	B	PerCP-Cy5-5	33972	33222	-3	2.87	947	14.98
Blue	A	PE-Cy7	22865	22887	0	4.73	475	30.28
Red	C	APC	47198	46801	-1	2.55	1617	11.43
Red	A	APC-Cy7	26454	25697	-3	3.02	730	12.05
Violet	B	V450	6737	6524	-4	3.52	456	11.02
Violet	A	V500	29317	28237	-4	3.11	966	8.33

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	24335	2.46	542	7	N/A	N/A	Pass
Blue	F	SSC	56121	2.02	517	-4	N/A	N/A	Pass
Blue	E	FITC	55	53.22	484	0	0.0459	96	Pass
Blue	D	PE	112	37.53	487	1	0.4208	280	Pass
Blue	B	PerCP-Cy5-5	150	42.36	580	1	0.0197	99	Pass
Blue	A	PE-Cy7	81	78.03	624	3	0.0227	2	Pass
Red	C	APC	337	26.04	574	2	0.0284	204	Pass
Red	A	APC-Cy7	135	35.74	551	0	0.0069	1933	Pass
Violet	B	V450	77	44.48	454	4	0.0586	2009	Pass
Violet	A	V500	113	29.15	473	4	0.0243	470	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	04/01/2022 09:37 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	01/20/2022 09:34 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.64 - 71.46	N/A	N/A	-32.04	-31.71	0.97
Blue	20.36	16.28 - 24.42	1.29	1.03 - 1.55	0.00	0.00	1.43
Red	15.20	13.90 - 20.86	N/A	N/A	30.05	30.36	1.21

Window Extension: 7.00
FSC Area Scaling Factor: 0.85

Threshold

Threshold (FSC): 10589

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments